

WHAT IS CLAIMED IS:

1. A hydraulic oil composition comprising:

- 5 (a) 5 wt% to 90 wt%, based on the composition, of a first paraffinic oil having a viscosity at 100°C of between 2 to 6 cSt;
- (b) 5 wt% to 90 wt%, based on the composition of a second paraffinic oil having a viscosity at 100°C of between 3 to 15 cSt; and
- 10 (c) 5 wt% to 10 wt%, based on the composition, of a polymethacrylate viscosity index improver having a shear stability index in the range of 0 to 20

15 wherein the composition has a shear loss of less than 7% after 40 minutes as measured by ASTM 5621 and wherein for any given viscosity grade the composition has at least substantially the same or better Brookfield viscosity at 0°F and -20°F as a naphthenic oil containing hydraulic composition of the same viscosity grade.

20 2. An oil composition according to claim 1 wherein for each viscosity grade listed below the composition has the properties listed:

| | ISO15 | ISO22 | ISO32 | ISO46 | ISO68 | ISO100 | ISO150 |
|---------------------------------------|---------|---------|---------|----------|-----------|-----------|-----------|
| Maximum Pour Point °C | -42 | -42 | -42 | -39 | -39 | -39 | -30 |
| Maximum Brookfield Viscosity at 0°F | 500 cP | 1000 cP | 1300 cP | 2600 cP | 6000 cP | 12000 cP | 22,500 cP |
| Maximum Brookfield Viscosity at -20°F | 1000 cP | 2500 cP | 5000 cP | 12000 cP | 30,000 cP | 80,000 cP | |

3. The composition of claims 1 and 2 wherein the viscosity index improver has an average molecular weight of from 10,000 to 1,000,000.

4. The composition of claim 3 including a minor amount of at least one hydraulic oil additive.

5. The composition of claim 4 wherein the additive is at least one of pour point depressant, antiwear additive, corrosion inhibitor, antioxidant and defoamant.

6. A hydraulic oil composition comprising:

(a) 5 wt% to 90 wt% of a first paraffinic oil having a viscosity of 2 to 6 cSt at 100°C and a VI of 85 to 95;

(b) 5 wt% to 90 wt% of a second paraffinic oil having a viscosity of 3 to 15 cSt at 100°C and a VI of 90 to 95; and

(c) 5 wt% to 10 wt% of a polymethacrylate viscosity index improver having a shear stability of 0 to 20;

wherein the wt% are based on the total weight of the composition;

wherein the composition has a shear loss of less than 7% after 40 minutes as measured by ASTM 5621; and

wherein for each viscosity grade listed below the composition has the maximum pour point and Brookfield viscosities (BV) listed:

| | ISO 15 | ISO 22 | ISO 32 | ISO 46 | ISO 68 | ISO 100 | ISO 150 |
|------------|--------|--------|--------|----------|----------|----------|----------|
| Pour Point | -42°C | -42°C | -42°C | -39°C | -39°C | -39°C | -30°C |
| BV, 0°F | 500cP | 1000cP | 1300cP | 2600cP | 6000cP | 12,000cP | 22,500cP |
| BV, -20°F | 1000cP | 2500cP | 5000cP | 12,000cP | 30,000cP | 80,000cP | |